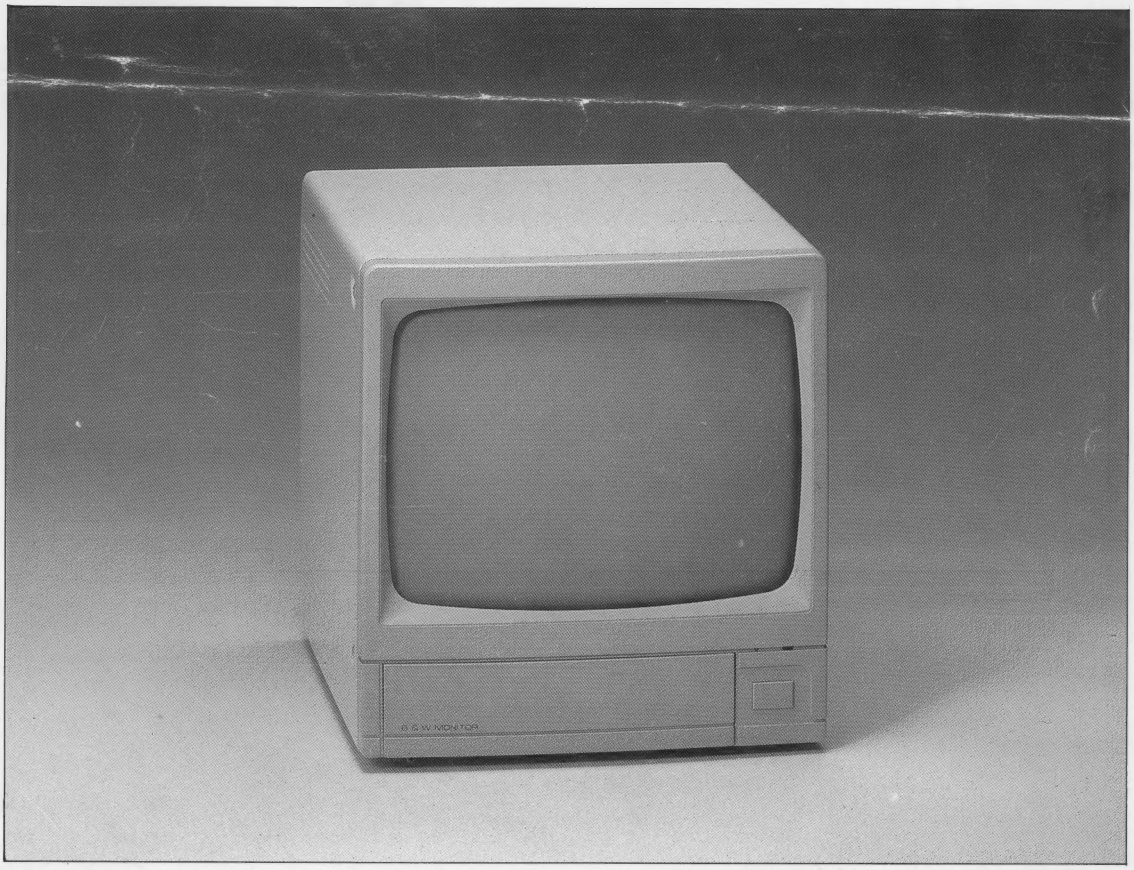
9″ BLACK AND WHITE MONITOR

INSTRUCTION MANUAL

MODEL: HVM 29 SERIES



Before operating the unit, please read this manual throughly and retain it for future reference.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN, WATER, WET LOCATIONS.
DO NOT INSERT ANY METALLIC OBJECT THROUGH VENTILATION GRILLES.

CAUTION

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK.
DO NOT REMOVE COVER(OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

Explanation of Graphical Symbols

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (Servicing) instructions in the literature accompanying the appliance.

■ SPECIFICATIONS

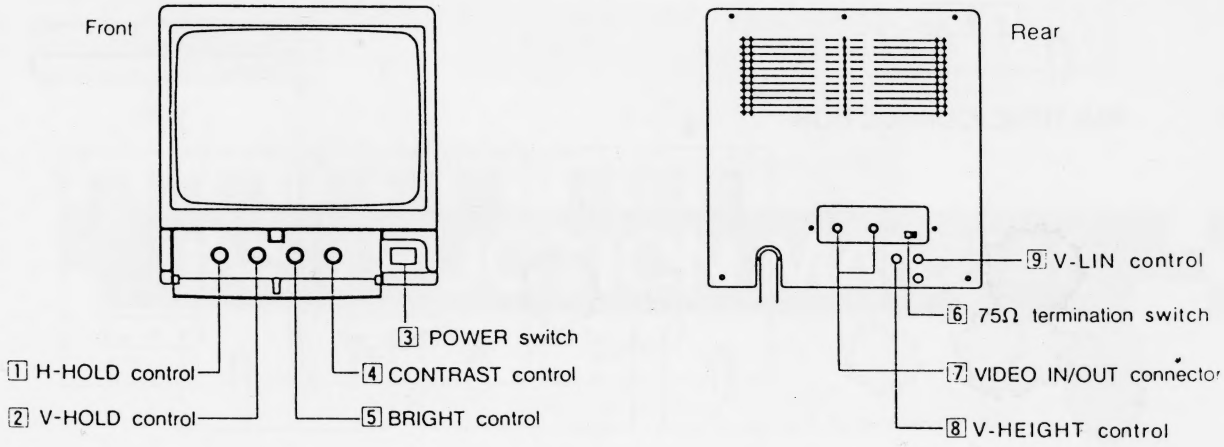
Picture Tube	10-inch Diagonal, 90° Deflection Angle
Power Source	100/120/230VAC, 50/60Hz Optional
Power Consumption	27Watts
System	EIA or CCIR standard
Resolution	More than 800 TV lines (center)
Video input impedance	High impedance for loop-through;75Ω terminated
Video output impedance	Over 10k Ω
Video Input	Composite 0.5-2V p.p, Sync Negative
Video Output	Composite 0.5-2V p.p, Sync Negative
Dimensions	220 × 237 × 247m/m(8.66 × 9.33 × 9.72 inch)
Weight	5.90Kg(12.98 lbs)
Ambient Temperature	− 10℃ ~ 40℃ (Performance Range)

Design and specifications subject to change without notice.

■ FEATURES

- Possible use as a closed circuit television monitor or a video preview/playback monitor.
- Loop through connection.
- Electronic circuits provide safeguards against interference, noise and changing signal strength to maintain a clear and stable picture.

■ OPERATING INSTRUCTIONS



[1] H-HOLD (horizontal hold) control

When the picture has slanting horizontal bars, rotate the H-HOLD control in either direction until a stationary picture is obtained.

[2] V-HOLD (vertical hold) control

When the picture rolls up or down on the screen, adjust V-HOLD control until there is a single steady picture.

[3] POWER switch

To turn the monitor power on, press once and to turn the power off, press once again.

[4] CONTRAST control

Turn clockwise to increase picture contrast and counterclockwise to decrease it.

[5] BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

[6] 75 termination switch

Set to 75Ω when only one monitor is used, or when the monitor is used as the last of looped chain. Set to HIGH when another monitor is connected to the VIDEO OUT connector.

[7] VIDEO IN/OUT connector

Connect to the video output of a VCR or another monitor (for loop-through connection), or to a video camera.

Loop-through output of the VIDEO IN connector. Connect the video input of another monitor or a VCR.

[8] V-HEIGHT control

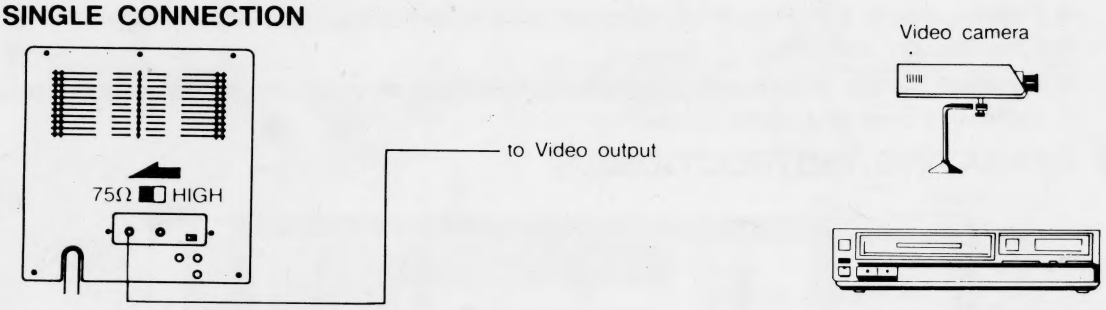
To adjust this control for the vertical size of the picture.

[9] V-LIN control

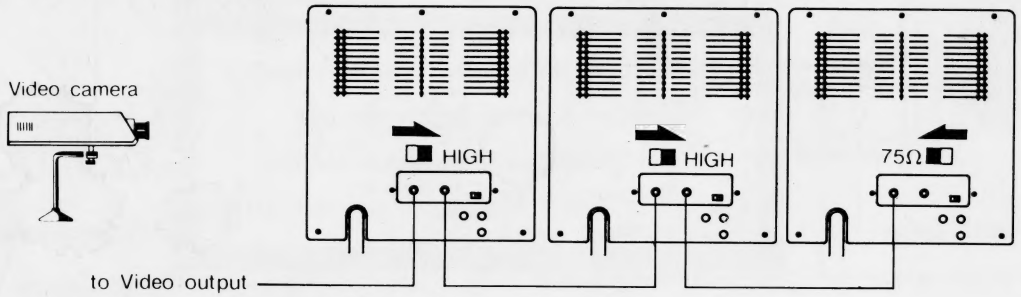
To adjust this control for the vertical linearity of the picture.

■ CONNCETION

SINGLE CONNECTION



MULTIPLE CONNECTION



Up to 3 monitors can be connected using the loop-through feature of this unit.
When this monitor is connected to additional monitors, the same picture can be obtained on all the connected monitors.

■ PRECAUTIONS

Safety

- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by the qualified personnel before operating it any further.
- Unplug the unit from the wall outlet if it is not going to be used for several days or more. To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials(curtains, draperies) that may block the ventilation holes.
- Height and vertical linearity controls located at the rear panel are for special adjustments by qualified personnel only.

Installation

- Do not install the unit in an extremely hot or humid place or in a place subject to excessive dust or mechanical vibration.
- The unit is not designed to be waterproof. Exposure to rain or water may damage the unit.

Cleaning

- Clean the unit with a slightly damp soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzine as they might damage the finish of the unit.

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